

LPIN2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8583c**Specification**

LPIN2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q92539](#)**LPIN2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9663**Other Names**

Phosphatidate phosphatase LPIN2, Lipin-2, LPIN2, KIAA0249

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8583c](/products/AP8583c) was selected from the Center region of human LPIN2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LPIN2 Antibody (Center) Blocking Peptide - Protein Information**Name** LPIN2 ([HGNC:14450](#))**Synonyms** KIAA0249**Function**

Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the endoplasmic reticulum membrane. Plays important roles in controlling the metabolism of fatty acids at different levels. Also acts as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism.

Cellular Location

Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane Note=Translocates to endoplasmic reticulum membrane with increasing levels of oleate.

Tissue Location

Expressed in liver, lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon

LPIN2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LPIN2 Antibody (Center) Blocking Peptide - Images**LPIN2 Antibody (Center) Blocking Peptide - Background**

Defects in LPIN2 are the cause of Majeed syndrome. Majeed syndrome is an autosomal recessive disorder combining features of chronic recurrent multifocal osteomyelitis, congenital dyserythropoietic anemia and inflammatory dermatosis.

LPIN2 Antibody (Center) Blocking Peptide - References

Olsen, J.V., et.al., Cell 127 (3), 635-648 (2006) Ferguson, P.J., et.al., J. Med. Genet. 42 (7), 551-557 (2005)